WHAT IS CLAIMED IS:

1. A method of transmitting module information, representing application resources, in a DASE data broadcasting system using a data carousel protocol, the method comprising:

inserting shared uniform resource identifier (URI) information into a DownloadServerInitiate (DSI) message that provides information regarding a module group, the module group having a predetermined number of modules and the shared URI information being shared by a plurality of modules belonging to the module group; and

inserting remaining URI information, excluding the shared URI information, into a DownloadInfoIndication (DII) message that provides the module information.

2. The method of claim 1, wherein the shared URI information is inserted as a descriptor into a field *groupInfoByte* of a structure GroupInfoIndication() in the DSI message.

3. The method of claim 1, wherein the remaining URI information is inserted as a descriptor into a structure *descriptor()* of the DII message.

4. A method of transmitting module information, representing application resources, in a DASE broadcasting system using a data carousel protocol, the method comprising:

inserting shared content-type information into a DSI message that provides information regarding a module group, the module group having a predetermined number of modules and the shared content-type information being shared by a plurality of modules belonging to the module group; and

inserting other content-type information, different from the shared content-type information, into a DII message that provides the module information.

5. The method of claim 4, wherein during insertion of the other content-type information, only the other content-type information regarding modules, which is not shared by the modules belonging to the module group, is included in the DII message.

6. The method of claim 4, wherein the shared content-type information corresponds to a content type that is most frequently shared by the modules of the module group.

7. The method of claim 4, wherein the shared content-type information is inserted as a descriptor into a field *groupInfoByte* of a structure GroupInfoIndication() in the DSI message.

8. The method of claim 4, wherein the other content-type information is inserted as a descriptor into a structure *descriptor()* of the DII message.

9. The method of claim 4, wherein a structure *descriptor()* of the DII message, for each module of the module group that shares the shared content-type information, is left blank.

10. An apparatus for transmitting module information representing application resources in a DASE data broadcasting system using a data carousel protocol, the apparatus comprising:

a message creator that creates a DSI message and a DII message, the DSI message providing information regarding module groups and containing shared URI information shared by a plurality of modules belonging to the module groups, each module group having a predetermined number of modules, and the DII message providing module information and containing the remaining URI information, excluding the shared URI information; and

a message sender that sends the created messages.

11. The apparatus of claim 10, wherein the shared URI information is inserted as a descriptor into a field *groupInfoByte* of a structure GroupInfoIndication() in the DSI message.

12. The apparatus of claim 10, wherein the remaining URI information is inserted as a descriptor into a structure *descriptor()* of the DII message.

13. An apparatus for transmitting module information representing application resources in a DASE data broadcasting system using a data carousel protocol, the apparatus comprising:

a message creator that creates a DSI message and a DII message, the DSI message providing information regarding module groups and containing shared content-type information shared by a plurality of modules belonging to the module groups, each module group having a predetermined number of modules, and the DII message providing module information and containing other content-type information different from the shared content-type information; and

a message sender that sends the created messages.

14. The apparatus of claim 13, wherein the shared content-type information corresponds to a content type that is most frequently shared by the modules of a module group.

15. The apparatus of claim 13, wherein the shared content-type information is inserted as a descriptor into a field *groupInfoByte* of a structure GroupInfoIndication() in the DSI message.

16. The apparatus of claim 13, wherein the other content-type information is inserted as a descriptor into a structure *descriptor()* of the DII message.

17. The apparatus of claim 13, wherein a structure *descriptor()* of the DII message, for each module of a module group that shares the shared content-type information, is left blank.